

Title (en)  
Protection device

Title (de)  
Schutzvorrichtung

Title (fr)  
Dispositif de protection

Publication  
**EP 1978617 B1 20161026 (DE)**

Application  
**EP 07006817 A 20070402**

Priority  
EP 07006817 A 20070402

Abstract (en)  
[origin: EP1978617A1] The device (10) has a diode arranged between an input-sided connector (20) and a load (14) e.g. car radio, and formed by a parasitic diode (24) of a semiconductor switch (26). The parasitic diode is arranged parallel to a switching path (28) of the switch and is connected during correct polarity of the source in a forward direction and during wrong polarity in a reverse direction. The switch is controlled depending on the polarity of the source such that the switch is interconnected with the correct polarity for bypassing the parasitic diode by the path and is locked with the wrong polarity.

IPC 8 full level  
**H02H 11/00** (2006.01)

CPC (source: EP)  
**H02H 11/003** (2013.01)

Cited by  
CN105305400A; EP2490316A1; CN109478780A; US11411397B2; WO2012110664A1; WO2018024544A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1978617 A1 20081008; EP 1978617 B1 20161026**

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